

AMENDMENTS TO THE CLAIMS:

Claim 1 (currently amended): A power-operated chuck (1) comprising with clamping jaws (3) that are guided so they can move are radially movable within grooves in a rotating, driven chuck body (2), to act on a workpiece (10) to be clamped in the chuck (1) and are, the jaws being in a drivable connection via intermediate elements, for example in the form of wedge hooks (6) or wedge rods, with a clamping piston (4) upon which a hydraulic fluid can act in one or both two directions and which can move axially within the chuck body (2), characterized in that wherein, a pressure sensor (41) is installed mounted in the chuck body (2) in order to monitor the hydraulic fluid pressure always existing in at least one or both of the pressure chambers (7, 8) assigned to the clamping piston (4), the said pressure sensor (41) being connected to the at least one or both pressure chambers (7, 8) of the clamping piston (4) via at least one hydraulic fluid channels (42, 43), and that the pressure sensor (41) has a receiver (44) assigned

to it and which is connected to a unit (45) for evaluating the signals received from the pressure sensor (41).

Claim 2 (currently amended): A clamping device (21) with comprising a piston (24) inserted mounted in a cylinder (22) and upon which a hydraulic fluid can act in at least one ~~or both~~ directions and which is in a drivable connection with a clamping element (30), ~~e.g. a power-operated chuck,~~ either ~~directly or via intermediate elements,~~ characterized in that wherein

a pressure sensor (41) is installed disposed in the cylinder (22) in order to monitor the hydraulic fluid pressure ~~always~~ existing in at least one ~~or both of~~ the pressure chambers (27, 28) assigned to the piston (24), the pressure sensor (41) being connected to the at least one ~~or both~~ pressure chambers (27 or 28) of the piston (24) via at least one hydraulic fluid channels (42, 43) ~~and that,~~ the pressure sensor ~~has~~ having a stationary receiver (44) assigned to it and which is connected to a unit (45) for evaluating the signals received from the pressure sensor (41).

Claim 3 (currently amended): The power-operated chuck in accordance with ~~Claim claim 1 or 2~~, characterized in that ~~wherein~~ ~~The the~~ signals from the pressure sensor (41) to the receiver (44) are transmitted by a means of selected from (i) radio waves emitted by an aerial (49) ~~or and~~ (ii) inductively with ~~the help of~~ a coupling module (50) attached to the pressure sensor (41).

Claim 4 (currently amended): The power-operated chuck clamping device in accordance with ~~Claims~~ claim 2-~~to~~ 3, characterized in that ~~wherein~~ the evaluation unit (45) is connected to ~~the a~~ controller of the machine tool (20) assigned to the ~~chuck (1) or the clamping device (21)~~.

Claim 5 (currently amended): The power-operated chuck in accordance with claim 3 ~~Claims 1 to 4~~, characterized in that ~~wherein~~ the pressure sensor (41) is equipped with batteries (51) ~~in order to supply it the pressure sensor with power, or that electrical power is supplied to the pressure sensor (41) inductively via the receiver (44')~~.

Claim 6 (new): The power-operated chuck in accordance with claim 3 wherein the pressure sensor (41) is supplied with power inductively via the receiver (44').

Claim 7 (new): The clamping device in accordance with claim 2, wherein signals from the pressure sensor (41) to the receiver (44) are transmitted by means selected from (i) radio waves emitted by an aerial (49) and (ii) inductively with a coupling module (50) attached to the pressure sensor (41).

Claim 8 (new): The power-operated chuck in accordance with claim 1, wherein the evaluation unit (45) is connected to a controller (14) assigned to the chuck (1).

Claim 9 (new): The clamping device in accordance with claim 4, wherein the pressure sensor (41) is equipped with batteries (51) to supply the pressure sensor with power.

Claim 10 (new): The clamping device in accordance with claim 4 wherein the pressure sensor (41) is supplied with power inductively via the receiver (44').